Part Number: SEN0161

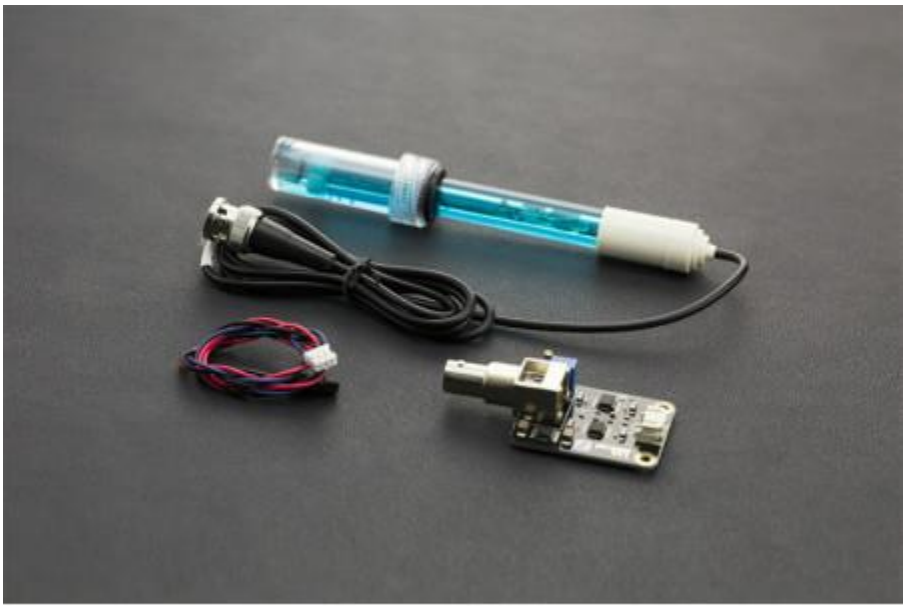
Description: Gravity: Analog pH Sensor / Meter Kit For Arduino

INTRODUCTION

Need to measure water quality and other parameters but haven't got any low cost pH meter? Find it difficult to use with Arduino? DF Robot analog pH meter, specially designed for Arduino controllers and has convenient and practical "Gravity" connector and a bunch of features. Instant connection to your probe an your Arduino to get pH measurements at ± 0.1pH (25 ℃). For most hobbyist this great accuracy range and it's low cost makes this a great tool for biorobotics and other projects! It has an LED which works as the Power Indicator, a BNC connector and PH2.0 sensor interface. To use it, just connect the pH sensor with BND connector, and plug the PH2.0 interface into the analog input port of any Arduino controller. If pre-programmed, you will get the pH value easily. Comes in compact plastic box with foams for better mobile storage.

Build your own PH meter gadjet, or a water monitoring station for your water tanks. This and our other water sensor devices could make for the ultimate water control device. Use it for your aquaponics or fish tanks or other materials that need measurements.

This is a laboratorial probe, it can't be immersed in the liquid for too long time. You can check here for the whole Analog pH Sensor / Meter Pro Kit For Arduino or a spare Industrial Probe as replacement



What is pH?

“pH stands for power of hydrogen, which is a measurement of the hydrogen ion concentration in the body. The total pH scale ranges from 1 to 14, with 7 considered to be neutral. A pH less than 7 is said to be acidic and solutions with a pH greater than 7 are basic or alkaline.”

Note: Buffer solutions are not included.

Note: After you received your package! You may found some white particles on the protection foam which is the KCl crystallization from the cap. Please don't worry about the crystallization in the packing box, that's normal. Actually, since the transportation restriction on liquid, we have poured out the KCL3N solution in the cap, the slight crystallization in the packing box should be leaked since the remnant. Anyway, once you received the probe, you should store it in KCL3N solution, you can not leave it in dry circumstance.

APPLICATIONS

- Water quality testing
- Aquaculture

SPECIFICATION

- Module Power : 5.00V
- Module Size : 43 x 32mm(1.69x1.26")
- Measuring Range :0 - 14PH
- Measuring Temperature: 0 - 60 ℃
- Accuracy : ± 0.1pH (25 ℃)
- Response Time : ≤ 1min
- pH Sensor with BNC Connector
- pH2.0 Interface (3 foot patch)
- Gain Adjustment Potentiometer
- Power Indicator LED

SHIPPING LIST

- pH probe (BNC connector) x1
- pH sensor circuit board x1
- Analog cable x1